stator yokes, each coil being constructed by winding a magnet wire;

a rotor rotatably disposed adjacent said pole teeth of said annular yokes and having a permanent magnet arranged opposite said pole teeth; and,

wherein said permanent magnet comprises a plurality of discrete segment magnets which are spaced from each other by a thermoplastic material.

12. The motor of claim 11 wherein the motor is a permanent magnet type stepping motor.

13. A method of manufacturing a rotor structure comprising the steps of:

providing a rotor comprising a stator including annular stator yokes each having a plurality of pole teeth along an inner circumference thereof and coils arranged inside said stator yokes, each coil being constructed by winding a magnet wire and a rotor rotatably disposed adjacent said pole teeth of said annular yokes and having a permanent magnet arranged opposite to said pole teeth, wherein said permanent magnet comprises a plurality of discrete segment magnets;

insert molding a sleeve of a thermoplastic material;

pressing a rotary shaft of the rotor into said sleeve; and,

securing said plurality of segment magnets in said sleeve in a spaced apart manner.

REMARKS

This application bases its priority on an earlier filed Japanese application. Applicant takes this opportunity to revise the claim language into a format which should be more acceptable in the U.S. Patent and Trademark Office.

Prompt and favorable examination of claims 1-8 and 11-13 is respectfully requested.

Respectfully submitted,

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